

In the Drawings

In response to the Office Action's objections to Figs. 1 and 2, attached hereto is a single Replacement Sheet and a single Annotated Sheet reflecting changes made to Figs. 1 and 2. As shown in the Replacement Sheet, Figs. 1 and 2 have been amended to include the legend "(Prior Art)" as suggested in the Office Action. The Replacement Sheet reflects Figs. 1 and 2 so amended.

Applicants respectfully request that the Examiner accept and enter these drawing changes, and submits that Figs. 1 and 2 so amended satisfy the requirements 37 C.F.R. 1.121(d). Accordingly, Applicants requests that the objections to the drawings be withdrawn.

REMARKS

In response to the Office Action mailed June 28, 2005, Applicants respectfully request reconsideration.

Applicants respectfully request reconsideration. Claims 1-10 were previously pending in this application. By this amendment, Applicants amend claims 1-10 solely for clarification, and add claims 11-35. As a result, claims 1-35 are pending for examination, of which claims 1, 10, 11, 26 and 31 are independent. No new matter has been added.

1. Claims 2-10 as Amended Overcome the Claim Objections

Claims 2-10 stand objected-to for a variety of informalities. In response, Applicants have amended claims 2-10 as shown above. Applicants respectfully submit that claims 2-10 as amended overcome the objections set forth in the Office Action, and requests that the objections to these claims be withdrawn.

2. Claims 2 and 4-7 as Amended Satisfy the Requirements of §112, Second Paragraph

Claims 2 and 4-7 stand rejected under 35 U.S.C. §112, second paragraph, as purportedly being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. In response, Applicants have amended claims 2 and 4-7 as shown above, and respectfully submits that these claims as amended satisfy the requirements of §112, second paragraph. Accordingly, Applicants request that the rejections of claims 2 and 4-7 under § 112, second paragraph, be withdrawn.

3. Claims 1-10 Patentably Distinguish Over Wu

Claims 1-3 stand rejected under 35 U.S.C. §102(a) as purportedly being anticipated by *On-Chip High-Q (>3,000) Transformer-Type Spiral Inductance* by Y.-C. Wu and M.F. Chang (Wu). Applicants respectfully traverse this rejection.

Wu is directed to a high quality factor transformer-type spiral inductance realized in a 0.18 micrometer complementary metal-oxide-semiconductor with active magnetic energy feedback from the secondary coil to the primary coil. (Page 1, column 1, lines 6-9). The transformer includes a capacitor C1 in series with an inductance L₁, which is coupled to an inductance L₂. (Page 1, column 1, lines 41-47; Fig. 1).

Contrary to the assertions of the Office Action (page 5, Section 22, second paragraph), Wu does not disclose that the capacitor C1 and the inductance L₁ are part of a branch that is parallel to a branch that includes inductance L₂. The Office Action does not specify what is considered the branch that includes capacitor C1 and inductance L₁ and the branch that includes inductance L₂. However, no branch can be identified in the circuit of Fig. 1 that includes inductance L₂, and which can be considered to define a parallel relationship with an identified branch that includes capacitor C1 and inductance L₁. Should a next Office Action maintain this rejection, Applicants respectfully request that it identify the branches in question and explain how a parallel relationship is defined by these branches.

Claim 1 patentably distinguishes over Wu because Wu does not teach or suggest a multi-band inductive circuit in an integrated circuit, forming a dipole and comprising *at least two parallel branches, one of the at least two parallel branches comprising a first inductance and another of the at least two parallel branches comprising a second inductance in series with a capacitor*, the two inductances being coupled to each other, as recited in claim 1. Rather, as set forth above, the circuit of Wu does not have a branch that includes inductance L₁ that is parallel to a branch that includes capacitor C1 and inductance L₁.

In view of the foregoing, claim 1 patentably distinguishes over Wu. Accordingly, Applicants respectfully request that the rejection of claim 1 under §102(a) be withdrawn. Claims 2-9 each depend from claim 1 and are patentable for at least the same reasons. Accordingly, Applicants respectfully request that the rejections of claims 2 and 3 under §102(a) be withdrawn.

4. New Claims 11-35 Patentably Distinguish Over the Art of Record

New claim 11 patentably distinguishes over Wu for reasons that should clear from the discussion of Wu above. Specifically, Wu does not disclose the circuit recited in claim 11, including the limitation of “where in the series connection of the second inductive element and the capacitive element is connected in parallel to the first inductive element.” Accordingly, Applicants respectfully submit that new claim 11 patentably distinguishes over the art of record, including Wu. Claims 12-25 each depend from claim 11 and are patentable for at least the same reasons.

New claim 26 patentably distinguishes over the art of record, including Wu, because the art of record does not teach or suggest the multi-band radio frequency transceiver chain

in claim 26, including the limitation of “means for propagating signals from the input node of the single transmit path to the output node of the single transmit path at each of the plurality of different operating frequencies.” Accordingly, claim 26 patentably distinguishes over the art of record. Claims 27-30 each depend from claim 26 and are patentable for at least the same reasons.

New claim 31 patentably distinguishes over the art of record, including Wu, because the art of record does not teach or suggest the multi-band radio frequency transceiver chain recited in claim 31, including the limitation of “means for propagating signals from the input node of the single receive path to the output node of the single receive path at each of the plurality of different operating frequencies. Accordingly, claim 31 patentably distinguishes over the art of record. Claims 32-35 each depend from claim 31 and are patentable for at least the same reasons.

CONCLUSION

A Notice of Allowance is respectfully requested. The Examiner is requested to call the undersigned at the telephone number listed below if this communication does not place the case in condition for allowance.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicants hereby request any necessary extension of time. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,

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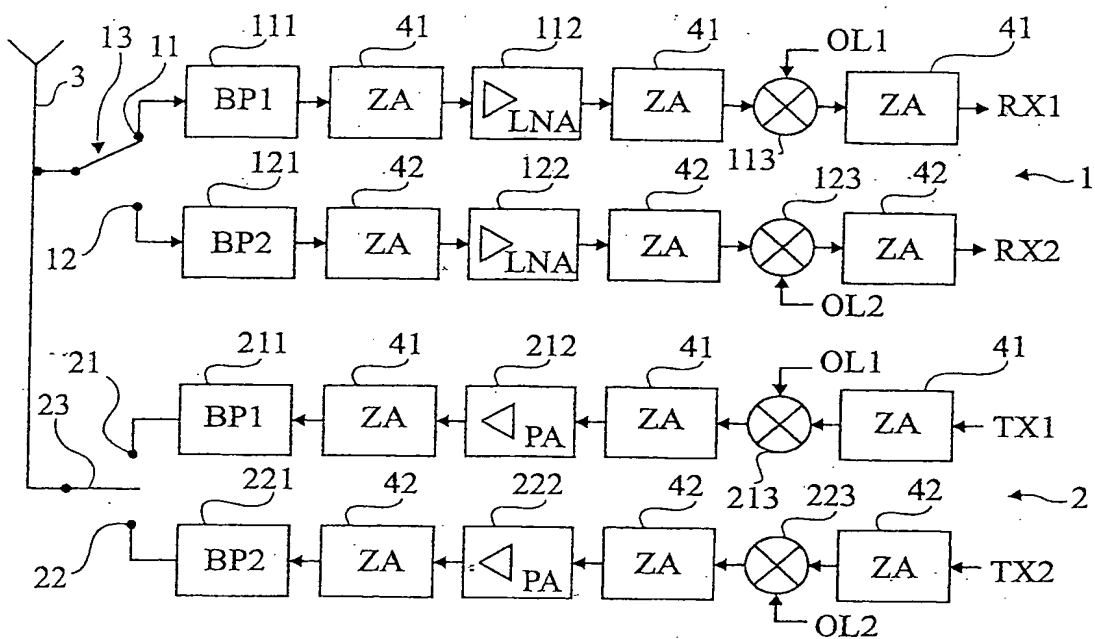


Fig 1 (Prior Art)

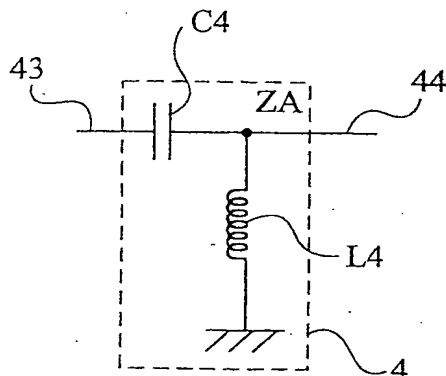


Fig 2 (Prior Art)

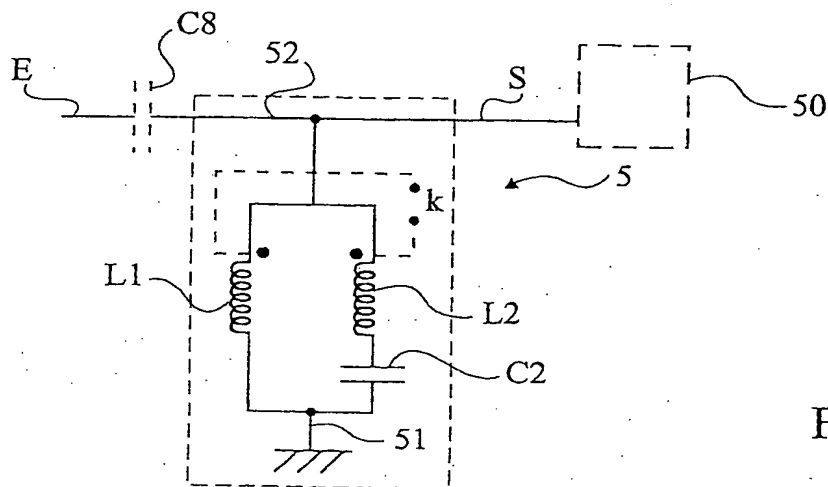


Fig 3